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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/566,292	01/27/2006	Nicoletta Almirante	026220-00073	1937
4372 7550 05/14/2009 ARENT FOX LLP 1050 CONNECTICUT AVENUE, N.W.			EXAMINER	
			KOSACK, JOSEPH R	
SUITE 400 WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER
			1626	
			NOTIFICATION DATE	DELIVERY MODE
			05/14/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DCIPDocket@arentfox.com IPMatters@arentfox.com Patent Mail@arentfox.com

Application No. Applicant(s) 10/566,292 ALMIRANTE ET AL. Office Action Summary Examiner Art Unit Joseph R. Kosack 1626 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 12 February 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-3 and 5-21 is/are pending in the application. 4a) Of the above claim(s) 3.16.17 and 19-21 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1.2.5-15 and 18 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/06)
Paper No(s)/Mail Date ______.

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Claims 1-3 and 5-21 are pending in the instant application.

Previous Claim Rejections - 35 USC § 103

Claims 1, 2, 5-15, and 18 were previously rejected under 35 U.S.C. 103(a) as being unpatentable over McIntyre et al. (*Pharmacol. Ther., 1997,* 181-194) in view of Del Soldato (WO 00/61537).

The Applicant has traversed the rejection on the grounds that Del Soldato requires a bridging component between the drug and the nitrooxy tether, while the instant claims are drawn to compounds where the drug is directly attached to the nitrooxy tether.

The traversal has been found to be persuasive, and the rejection is modified below to address the issue.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- Determining the scope and contents of the prior art.
- Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.

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Considering objective evidence present in the application indicating obviousness or nonobviousness

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 2, 5-15, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over McIntyre et al. (*Pharmacol. Ther., 1997*, 181-194) in view of Del Soldato (WO 00/61537, referred to below as Del Soldato I) and Del Soldato (WO 95/09831, referred to below as Del Soldato II).

The instant claims are drawn to nitrooxy derivatives of Angiotensin II receptor blocker drugs. The species searched is a derivative of the drug losartan.

McIntyre et al. teach the drug losartan. See the whole document, specifically page 182 for the structure of losartan.

McIntyre et al. do not teach attaching a nitrooxy tether to the drug as instantly claimed.

Del Soldato I teaches that the addition of a nitrooxy tether to drugs such as losartan remove side effects to patients affected by oxidative stress and/or endothelial dysfunctions or to the elderly in general. See pages 6-13. The exact tether that is used

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in the elected species is shown in Example 10 on page 84, albeit attached to a bridging component.

Del Soldato II teaches that a nitrooxy tether can be attached directly to a drug such as naproxen. See page 14, line 20 through page 16, line 17.

Therefore, on of ordinary skill in the art would be motivated to take losartan, which is discussed at length by McIntyre et al. and attach the nitrooxy tether as shown by Del Soldato I described as capable of function with losartan, and directly to the drug as taught in Del Soldato II, with a reasonable expectation of success. The motivation for making the change is that he addition of a nitrooxy tether to drugs such as losartan remove side effects to patients affected by oxidative stress and/or endothelial dysfunctions, or to the elderly in general.

Thus, the claims are prima facie obvious over the prior art.

Conclusion

Claims 1, 2, 5-15, and 18 are rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph R. Kosack whose telephone number is (571)272-5575. The examiner can normally be reached on M-Th 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane can be reached on (571)-272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph R Kosack/ Examiner, Art Unit 1626